

Attorney Docket No.: PM (DC-0251)
Inventor: Wade and Demian
Serial No.: 09/720,078
Filing Date: July 25, 2001
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Amendments to the Specification:

Please replace the paragraph beginning on page 10, line 9, with the following rewritten paragraph:

--The antigen which is directly or indirectly fused to the antibody will typically comprise an antigen which is specific to an etiological agent, for example, an antigen expressed by or a product of a tumor cell, a virus, a bacterium, a parasite, or other infectious agent. Examples thereof, for example, purified recombinant proteins, peptides, whole organisms such as intact virions, flu, polio, tetanus and diphtheria toxins, TB antigens, and HIV gp120 antigens, as well as tumor antigens such as breast, ovarian and prostate tumor antigens. Specific examples thereof include, by way of example, antigens expressed by HIV such as gp160, Gag, Pol, New, The, and Reb; malarial antigens such as the CS protein and sporozoite surface protein 2; hepatitis B surface antigens such as pre-S1, pre-S2, HBc Ag, and Hbe Ag; influenza antigens such as HA, NP and NA; hepatitis A surface antigens; hepatitis C surface antigens; herpes virus antigens, such as EBV GP340, EBV GP85, HSV gB, GSV gD, HSV gH, HSV early protein product, cytomegalovirus gB, cytomegalovirus gH, and IE protein gp72 ~~and gp72~~; respiratory syncytial viral antigens such as the F protein, G protein and N protein; leprosy antigens; listeriosis antigens; tumor antigens such as carcinoma CA, carcinoma mutated EGF receptor, prostate carcinoma specific antigen (PSA), prostate specific membrane associated antigen, carcinoma associated mucin, carcinoma p21, carcinoma p53, melanoma MPG, melanoma p97, MAGE-1, MAGE 3, gp100, MART 1, melanoma antigen gp75, carcinoma NEU oncogene product, and ras protein. Other examples include

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papillomavirus antigens such as the L1 and L2 proteins, and Lyme's disease antigens. Typically the antigen will be one expressed on the surface of a particular target, for example, a tumor cell, a pathogen, a bacterium or a virally infected cell.--